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(54) METHOD FOR RECOVERING BLOCK COPOLYMER

(57)Abstract:

PROBLEM TO BE SOLVED: To prevent the gel formation, inhibit the molecular scission and cross-linking during solvent removal, and improve the color tone and resistance to devitrification of a block copolymer by subjecting a conjugated diene and a vinylarom. hydrocarbon to block copolymn. in a hydrocarbon solvent in the presence of an organolithium compd. as the initiator and then to a specific treatment.

SOLUTION: A hydrocarbon solvent is directly removed from a soln. of a block copolymer obtd. by copolymerizing a conjugated diene and a vinylarom. hydrocarbon in the solvent in the presence of an organolithium compd. as the initiator and having a vinylarom. hydrocarbon content of 65-95wt.% or a hydrogenation product thereof, subject to the condition that the solvent removal process comprises the step of adding a reaction stopper to a polymerizer, the step of adjusting the pH to 6.5-8.5, the step of adding a phenolic stabilizer, and the step of removing 5-25wt.% of the solvent at a polymer temp. in an air-exhausting zone of 150-260° C, adding a phosphorus stabilizer, and introducing into a die at the downstream side to cut with a cutter into pellets.

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